

ABSTRACT OF THE DISCLOSURE

A device for detecting the presence of a transponder in its vicinity, comprising:

- an antenna;
- 5 -- pulse generation unit;
- unit adapted to feed the antenna with the pulses;
- unit for measuring the damped oscillations of the antenna as a consequence of being fed with the pulses;
- the unit for measuring the damped oscillations of the antenna determining
- 10 whether a transponder is present or not in the vicinity of the antenna on the basis of the characteristics of the damped oscillations.